Matthew Erwin

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EDUCATION

- **Louisiana State University**   Baton Rouge, LA
  Bachelor of Science in Computer Science, Minor in Mathematics GPA: 4.00   *Aug. 2020 – May 2024*

EXPERIENCE

- **Chevron**   Covington, LA
  Cloud Engineer Intern   *May 2023 - Aug. 2023*
  - **Splunk**: Developed sophisticated Splunk dashboards and alerts using SPL and designed visuals using XML, HTML, CSS, and JavaScript that served as template boards for Chevron's BUs
  - **OT Automation**: Utilized Ansible Tower to orchestrate and automate infrastructure tasks for an early-in-the-works project, leveraging Ansible playbooks and Docker for other containerization tasks
  - **Competency Pathways**: Interacted with Degreed's RESTful API and frontend to create multiple competency pathways for future Chevron Network Engineers using Postman and Degreed's GUI

- **General Dynamics Information Technology**   Remote
  Software Engineer I (Part-time/Intern)   *Nov. 2022 - Mar. 2023*
  - **FSA**: Served as a backend developer and gained practical experience with Java by programming pieces of the REST API for the Federal Student Aid Processing System
  - **Version Control**: Proficiently employed version control systems, including GitLab and Git, to facilitate seamless collaboration within the development and testing team
  - **API Testing**: Championed software quality assurance through the development of robust JUnit tests, validating the functionality of my code and the code of fellow engineers
  - **Database**: Demonstrated bi-weekly functionality of user stories to clients using PgAdmin and PostgreSQL queries
  - **SAFe**: Practiced SAFe Agile methodologies by following user stories and features and utilized communication platforms such as Confluence and Jira to track progress

- **General Dynamics Information Technology**   Remote
  Software Developer Intern   *June 2022 - Aug. 2022*
  - **AWS CI/CD**: Created a full end-to-end automated pipeline using AWS Code* services, along with AWS Blue/Green deployment
  - **Containers**: Worked on small frontend coding projects and containerized such projects by building images and containers through Docker and Docker Hub

PROJECTS

- **Movie Review** — *React, Typescript, Rust, CSS, NodeJS, ExpressJS, MySQL*:
  - Designed and coded a React & Express full-stack web app for users to read and write movie reviews
  - Implemented MySQL to dynamically store all movie and user information

- **DSA Visualization** — *React, JavaScript, MongoDB, NodeJS, ExpressJS, MaterialUI, CSS*:
  - Programmed data structures and algorithms visualizations & informational panels within a full-stack web app
  - Constructed a chat feed for users to post and reply to others
  - Strengthened REST API security by integrating JWTs within session cookies and implemented bcrypt for encryption of confidential user information

- **Fit Happens** — *React, JavaScript, MSSQL, ASP.Net Core, Apache*:
  - Collaborated with team members to assemble a full-stack workout web application
  - Deployed using Apache Web Server and AWS EC2 instance

TECHNICAL SKILLS

- **Languages**: Java, C/C++, Python, JavaScript, TypeScript, MySQL, PostgreSQL, HTML/CSS
- **Frameworks**: React, NodeJS, ExpressJS, React Native, Material-UI
- **Developer Tools**: Git, GitLab, Docker, AWS, Azure, Postman, Splunk